Patent

Attorney's Docket No. 018414-148

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Patent Application of)	
)	
William K. ZURAVLEFF et al.)	
)	
Application No.: 08/480,739)	Group Art Unit: 2305
)	
Filed: June 7, 1995)	Examiner: Unassigned
)	
For: NON-BLOCKING LOAD BUFFER)	
AND A MULTIPLE-PRIORITY)	
MEMORY SYSTEM FOR REAL-TIME)	
MULTIPROCESSING)	

MAR 2 0 1996

RESPONSE TRANSMITTAL LETTER

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is a response for the above-identified patent application.

[ ]   A Petition for Extension of Time is also enclosed.

[ ]   Also enclosed is __.

[ ]   ____ verified statement(s) claiming small entity status
        [ ] are also enclosed   [ ] were submitted previously.

[ ]   A Contingent Notice of Appeal is also enclosed. The response submitted herewith is being submitted after a final rejection. In the event that the amendments therein are entered but do not result in allowance of all the claims, then the enclosed Contingent Notice of Appeal appealing all finally rejected claims should be entered and the Commissioner is authorized to deduct from Deposit Account No. 02-4800 the fee of [ ] $145 [ ] $290 for filing a Notice of Appeal in accordance with 37 C.F.R. § 1.191(a).

[ ]   The earliest effective U.S. filing date of this application is before June 8, 1993. In the event that the response submitted herewith is denied entry, the Commissioner is authorized to deduct from Deposit Account No. 02-4800 the fee of [ ] $375 [ ] $750 for entry of the submission in accordance with 37 C.F.R. § 1.129(a).

[ ]   No additional claim fee is required.

[X]   An additional claim fee is required, and is calculated as shown below:

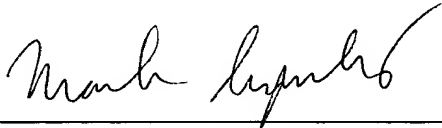| AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADDT'L FEE
Total Claims	26	MINUS 20 =	0	x $22 =	132.00
Independent Claims	3	MINUS 3 =	0	x $78 =	0
If Amendment adds multiple dependent claims, add $250.00					---
Total Amendment Fee					132.00
If small entity status is claimed, subtract 50% of Total Amendment Fee					---
TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT					**$132.00**

[X] A claim fee in the amount of $ 132.00 is enclosed.

[ ] Charge $_____ to Deposit Account No. 02-4800.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in triplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:_____
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Date: March 18, 1996

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TIME MULTIPROCESSING	)

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GROUP 2300

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS

Please add the following new claims:

21. A multiple priority non-blocking load buffer according to Claim 7, wherein a maximum number of outstanding memory or I/O transactions is specified for said unique priority level in each of said sub-queues which prevents entries of memory or I/O requests having low priority levels from using one of said sub-queues before entries of memory or I/O requests having higher priority levels.

22. A multiple priority non-blocking load buffer according to Claim 1, wherein priorities corresponding to the entries of memory or I/O requests are determined by logical memory addresses, control bits derived from a memory management page table, control bits derived from segmentation entries, virtual addresses of a memory